

**What is Claimed is:**

1. An electrical cable comprising:  
an outer jacket;  
a plurality of conductors within the outer jacket; and,  
5 a filler having a core within the outer jacket, the core having a dielectric enhancing section extending therethrough and a plurality of voids substantially surrounding the dielectric enhancing section.
2. The electrical cable of claim 1 wherein the dielectric enhancing section is formed as a hollow tubular structure.
- 10 3. The electrical cable of claim 2 further comprising an outer skin surrounding the core.
4. The electrical cable of claim 2 wherein the core is extruded with a foaming agent to create the voids.
5. The electrical cable of claim 4 wherein the core is selected from the group of  
15 materials consisting of polyethylene, polypropylene, fluoropolymers, and neoprene.
6. The electrical cable of claim 1 wherein the dielectric enhancing section is formed of a thread.
7. The electrical cable of claim 1 wherein the dielectric enhancing section is formed as a hollow structure.
- 20 8. The electrical cable of claim 7 wherein the core is cross shaped in cross section.
9. A filler for use in an electrical cable comprising:  
a core formed of a foamed material substantially surrounding a dielectric enhancing section; and,

an outer skin formed of an insulative material surrounding the core.

10. The filler of claim 9 wherein the dielectric enhancing section is formed as a hollow structure.

11. The filler of claim 9 wherein the foamed material is selected from the group of  
5 polyethylene, polypropylene, fluoropolymers, and neoprene.

12. The filler of claim 10 wherein the core is formed in the shape of a cross.

13. The filler of claim 9 wherein the dielectric enhancing section is formed of a thread.